An Essay On Asthma For The Degree Of Doctor of Medicine; Submitted To The Examination John M. Dowell L.L. J. Drovosk, Trustees and Medical Professors Of The University of Dennsylvania; Joseph Bullock junz Philadelphia. on the 19 a day 4 april of 1809Miledelphia. " the 19 " May : april 5 1800 -

Of Asthma

When it is considered that the Lungs perform one of the most important functions of the animal Occonomy, If the a very hardy viscus) are from their great exposure frequently liable to disease, which on account of their insensibility, sometimes makes such rapid progress before a physician is aware of it, as to render a cure impracticable; it will not be denied that they muit the greatest vigilance & attention. Baglioi carnesly exhorts young prac - litioners to employ their utmost attention in heating pulmonary diseases I warns them not to be decid by fallacious appearances, nor easily induced to make a favorable prognostick concerning them. asthmo is a disease which often attacks this organ, I if not

by following appearances no a faon a le insgnochek conserving hans I alm p as a disease which efin absolutible bis ergon I'd m Speedily awasted frequently seminates in death or an incurable disease as stydiotherage Consumption Epiloph Sec - It appears to be principally healed in the Bron =

chial vessels.

Of the diseases with which this had

been complicated of the manner of distinction I shall briefly take notice in this place It may be distinguished from memony by having little or no fever by its being after ded with great languar & dejection Ity the pulse being more unequal but without much tension these marks are such ficient to distinguish it from that disease It has been distinct to the may readily be known by its having intovals of case tapparent health. Asthma has been divided into the Spanners

Spituities or day Thumid the former abacks in early life the latter in the decline Herminates in a few days wither in death a recovery or a chronic disease

1 Carlo Collins lets the latter in the decline stronger

In John Hoyer remarks that he has met with some asthmatics who had labor'd under this disease in a chir = nie form for 50 years Tyet enjoy'd a tolerable State of health without much affection of the lungs or inability to follow their usual employments. a paroxism of asthma may be known by a difficulty of breathing little or no ex-- pectonation in the first stage of the fit the it is often copious towards its termination. This desease is some = - times heroditary - attacks at childhood, at puberty, at the age of 30, Fin the decline of life. The causes that dis-- pose this disease are such as dispose, to a debelity of the bronchial vessels - they may be divided into direct Findicest to the 1st belong great heat on this account it more frequently occurs in Summer 2 Cold succeed ing heat 3 tentain dry I moust winds 4th certain particles received into, Jacking mechanically on the lungs 5th cutain odors as the small of new or burn

aspeak 3 laction day a mont and for on the particles useried inter backens necessarially m large 5 th cotain does so he small of new

ing feathers - Geven of Specacuanha have induced it according to Dr Rush . 6th Carbonic acid Gas Sthe smoke of tobacco received into the Lungs . To the indi-- rect causes belong 1st subpression of customary even - ations particularly from the uterus Ice-27 repelled exuptions - 3 f worms in the stomach 4th Gout 5 thingh Situations near the Sea Shore 6the Gall Stones 7th long fasting 8th pregnancy, this sometimes produces it, cansing it to be habitual Fat others, only to occur during that beried I dis appear with it of indiges to ble ale = ment Professor Rush mentions a case in which it was induced by eating waffles &buckwheat Cakes 410th ascending steep places has induced it The free -monitary symptoms of this disease are lassitude quat unreasinoss at the Breast, drowsiness after dinner, lat ulency-difficult respiration, short cough, dry Woold feet been when these symptoms appear the disease

acid Con White de was induced to colore willian interenous at the proof the where difficult rosmilion dust lough, duling lest les when these unblows where the

may frequently be arrested in its progress- By bediluves - um - vomits - purges Ver sitting up all night has in some instances prevented the fit The pulse frequently indicates no disease this is owing the non of mpathy of the antic system-hence the propiety of dividing the arterial bre = - disposition, into pulmonary Faortic The respiration is performed with a wheezing hoise I sometimes the spasm is so great, as to shut the Glottis Great regard should be paid with respect to the posture of the patient as it is often difficult for him to place him self in any attitude which affords him the least relief In determining on the most proper situation for him whether recumbent or erect the great object is, the expansion of the though; the posture that most favors this I is at the same time easiest to the patient is that which they are often found in viz with their legs shetch'd out on a chair their heads inclining forwards - as this situation affords thom

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most relief it should always be recommended by a Physician a paroxysm of asthma mostly occurs at night the system being at that time being more excitable & predisposd to disease it lasts from 1/2 to 1-2-or 3 dags - boccurs from 1-2-or 3 to 36 times a year In recent cases the Lungs show no marks of disease but in old chronic cases, they exhibit distinct marks of it ving such as arise from an accur mulation of mucous, from suptuid vessels, or from a gan -- grove of the parts. The most general appearances that dissections exhibit when death is the consequence of this disease are 1th no disease whatever 2 the vessels of the pleura on the surface of the Lungs & of the hacken are. tungid & obstructed - 3 f a livid appearance which resem -- bles the approach of gangiene &4 they a tough white vis - cid substance occupying the Bronchial ressels- a violent fit of the asthma has all the symptoms of approach ing death but a remarkable circumstance attending

position of a profuse sweet bear on getres with funting if the extremation being and

it, is, that a cold beath, which is fatal in all other disease, is not so in this . The signs that mark an unfavorable tumi--nation of this disease are the following- If the parofy sms in the beginning are very severe of long duration with Short Fin perfect remissions he cure may be considered difficult but under these alarming circumstances particular attention is necessary - I notwithstanding every effort the parof your return more frequently the difficulty of breathing continues there is little hope of succeeding in the cure the case is still more dangerous if hourseness comes on if respiration is performed with a croaking noise, I the sparm of the diaphragm Vabdominal mus -cles encrease - But if on attempting to swallow there is danger of suffication if a profuse sweat break out to--gether with fainting if the extremities become cold the lips tongue, mouth & throat parchid, together with strong convulsions it is easy to judge under these circumstana

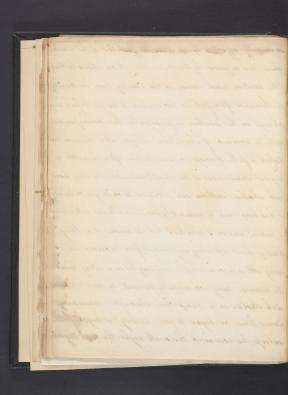
selves into property or qualed such as we between ing the party on I live which are received to

that the patient is beyond relief. But if on the conhary he asthmatic parofysms are Short duration & moderate of the intervals are long I become more distinct upon the applica tion of the usual remedies - a favorable turnination may be expected If coughing or romiting happen naturally Da usual discharge of phlegme & mucous from the nose follow if the bowels are natural Ia diaphoresis ensue a happy termination may almost with cortainly before told If the disease is sufford to advance for, be fore me-= dical aid is called, the the remedies, even then have the effect of stopping its progress yet the probability of obtain zing a perfect cure is less I the patient is frequently sub-= ject to periodical attacks of it. Of the cure of alesthima. The remedies for the cure of this disease divide them - selves into two kinds or grades - such as are proper du - ring the paroxy sm & Those which are necessary during

stoned caster oil wantered later in nay he in a

the interval The remedies proper for a profysm are 1st O.S. when there is much oppression agopnea bec Pope when laboring under it, acknowledged the efficacy of this remedy Bleeding shows its advantages 1st by Thortening the fit 24 by rendering it much less violent & 37 by preventing those obstructions in the Lungs, that are often the consequence when this remedy is not resorted to producing puly lon " - hydrothorax - Vascites - The face is more prequently found flored or red in this disease but a pale face should by no means prohibit the use of the Lancet 24 vomits an also of great surice, by creating a new action; squills are often used for this purpose - but Jast: Emet: or Speca cusha are equally good. 3 to surges it is very necessary to pay this attention to the state of the bowels . I as patients in this disease, are often costive of course punges are necessary of these Calomel Castor oil theubarb Salts be may be given In cases of great morbid excitement Cold air Idrinks

may be used after this is reduced, opium Landanum in Small Spequent doses, with or without assafatida musk hasbeen recommended, vapor of hot bath with or without has - raddish inhald into the Lungs frequently affords great rolief the small of cloves has been found useful, oggen - gas according to Do Beddoes - 4thy Blusters the efficacy of blisters in removing pains, I spasms, is universally known, are an invaluable remedy in this disease Gwhen applied to the wrists often act like a charm they may likewise be applied to the Breast Fankles 5thy mineral Ivegeta the acids very shong coffee in the proportion of zi of Coffee to ziv- of water warm air we find that Cold & warm air are useful in the same disease I this shows the necessity of prescribing different almost opposite remedies in different stages of the same disease to acco modate the system- a change of air- City air is general - by more agreeable to asthmatics than Country, as it is not



so readily affected by the sensible qualities of the almost phere; this is proved by the Barometor which shows the change of the weather much sooner in the Country, than in the city, asthmatics often feel an inclination to the fit before any change in the weather is perceptible; this corresponds with a remark of Sir John Hoyer, who observes that before a fall of snow or rain He was often sensible of a great straightness at the chest & stomach. We may here ask whether askma can or cannot be cuid, yes, certainly it has been cuid by nature I by accident. In the latter way a patient was cuid who had laboid under it a long, time without receiving any bone fit from medical aid, or being able to procure sleep in any way, but in a sitting posture He however being accidentally pursued by some Indians, took shelter in a damp cave, where after remaining some times he began to feel seewsy, Fat longth fell wheels, he remained there all night the next nightfrom a other whole Is have comered the

finding that he was unable to sleep at home he resolos to try the cave which being a second time successful in procuring him sleep he had it converted into a de --cent habitation I finally recovered this case is mention -ned by Do Rush in Lectures - In the former way it has been and 1th by pregnancy 24 by the constation of the menous 3 4 by a new disease, as faundice inviting more bid action to some other part 4thy by a change of Climate but in this the kind of withma under which the patient labors, should be ascertained for if it be of the petutous & humed kind, a dry air is most proper if spasmodic & dry the reverse Fin the last case In Thomas Reid recommends holding a sponge filled with water to the mouth. The air of the apartments in which patients with this kind of asthma Sit, hould be constantly kapt moist by the evaporation funtor from a stove while D' Sones romaind in Phila.

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telphia he was veldom if ever affected with ast - homa, but when in New York was almost con = estantly houbled with it . The next class of remedies or those which are proper in the interval are 1st care. -fully avoiding plethora - this is to be guarded against by occasional V.S. Flow diet 2" assiding all its exciting causes, 3 a seaton in the side or issues in the arms; Sir John Hoyer recommends issues from a consider = ration of the benefit that is often received from critical evacuations in asshmatic cases badds that he had been informed that King William, during the running of the Sove upon his shoulder made by a ball at the Battle of the Boyne in Ireland, was free from his asthma. 4th gentle exercise Thand labor. The 1st may be used when the patient is unable to labor the best mode of exercising is that of aiding on Howeback, long or short distances ac - cording to the situation Istate of the patient partial ex-

= craises may with propriety be used such as rowing, naising weights, playing at Battledore Vice. The cold bath when us'd prudently is an excellent remedy it restores vigor Hone to the system the efficacy of this remedy is confirmed by D. Bay nand who says he had several ac -= counts of persons who were much relieved, Jothers per = feetly and by the use of cold immersions in asthmas John difficulties of breathing especially if the disease had not been of long continuance a recurrence to old & accustomed habits is said to have curd it an instance of a Lady is mentioned by Do Rush, who on leaving of the practice of taking snuff was seized with asthma whech continued six months I was curd by resuming her old habit a diet of Garlie has been of great survice wil of ambor Jan in pills or water which vever is most agree =able to the patient : The habitual use of the of y de of non in large doses - Sleeping on a mattress as all

in large doses cheeping on a mather

disease partake more or less of an Intermittent type of from, These comedias are most advantageously wid just before or as near the accession of the fit as possible Bitters of all kinds- Eliper of vitiol & Back have been used Lastly a change of climate residence or occupation. Persons have been and by going from Naples to Viena Frice vorsa hone of these remedies should be overlooked in the cure of this disease they may all be tied in succession & if administered by a judicious practioner there is every reason to hope he will in numerous instances, have the great satisfaction to find that his exortions for the relief of the dispessed Fafflicted, have been cround with ducceds.

